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TITLE : POLYAMIDE RESIN COMPOSITION FOR USE IN COMPONENTS FOR ENGINE COOLING WATER SYSTEM AND COMPONENT THEREFROM

ABSTRACT : PROBLEM TO BE SOLVED: To provide a polyamide resin composition having excellent mechanical properties, heat resistance, moldability, dimension stability and chemical resistance that is used for the components in contact with cooling water in an engine room.

SOLUTION: This polyamide resin composition comprises 100 pts.wt. of a polyamide resin comprising 5-40 wt.% of a polyamide resin composed of (A) (a) 80-40 wt.% of a hexamethylene terephthalamide unit and (b) 20-60 wt.% of at least one structural unit selected from the group consisting of a hexamethylene adipamide unit, a hexamethylene isophthalamide unit and a caproamide unit and (B) 95-60 wt.% of polyhexamethylene adipamide and/or polycaproamide, and (C) 20-150 pts.wt. of an inorganic filler. The composition is used for the components for an engine cooling water system.

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